Index of Claims

Applicant(s)/Patent under Reexamination

10/039,960 Examiner

Date

ANDERSON ET AL.

Art Unit

Dohm Chankong

2152

Rejected Allowed

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| _ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|          |          | ,            |          | L        |          |          |            |          |              | _        |   |  |          |                 |   |
|----------|----------|--------------|----------|----------|----------|----------|------------|----------|--------------|----------|---|--|----------|-----------------|---|
| Cla      | aim      | Γ            |          |          |          | Date     | e          |          |              |          |   | Cla  | im       |                 | _ |
| Final    | Original | 12/20/05     | 5/31/06  |          |          |          |            |          |              |          |   | Final  | Original |                 | _ |
|          | 1        | 1            | 1        |          |          |          |            |          |              |          |   |  | 51       |                 | _ |
|          | 2        | 1            | √        |          |          |          |            |          |              |          |   |  | 52       |                 |   |
|          |          | V            | 1        |          |          |          |            |          |              |          |   |  | 53       |                 |   |
|          | 4        | 1            | 1        | <u> </u> |          |          |            |          | L            |          |   |  | 54       |                 | _ |
|          | 5        | √            | 1        |          | L        | <u> </u> |            |          |              | _        |   |  | 55       | $\sqcup$        |   |
|          | 6        | 1            | V        |          | <u> </u> | _        | L.         | _        | <u> </u>     | _        |   |  | 56       |                 | _ |
|          | 7        | 1            | 1        | ļ        | <u> </u> | _        | -          | <u> </u> | 1            | _        |   |  | 57       | $\vdash$        | _ |
|          | 8        | ٧            | √<br>√   | ļ        | <u> </u> | _        | -          | <u> </u> | _            |          |   |  | 58       | -               | - |
|          | 9        | <b>√</b>     | <b>√</b> |          | ┝        | _        | -          | ⊢        | -            | -        |   |  | 59<br>60 | $\vdash$        | - |
|          | 10       | \<br>√       | 1        |          | ├        | -        | -          | ╁        | ┢            | -        |   |  | 61       | $\vdash$        | _ |
|          | 12       | 1            | 1        |          | ⊢        |          | ├—         | -        | -            | $\vdash$ |   |  | 62       | $\vdash$        | _ |
|          | 13       | 1            | 1        |          | ├-       | -        | -          | ╁        | 1            | H        |   |  | 63       | $\vdash \vdash$ | - |
|          | 14       | 1            | 1        |          | ┝        | -        | ├-         | l        |              |          |   |  | 63<br>64 | $\vdash$        | - |
|          | 15       | 1            | 1        |          | -        |          | ┢          | <u> </u> |              |          |   |  | 65       | $\vdash$        | _ |
|          | 16       | V            | Ì        |          | H        |          |            | 1        |              |          |   |  | 66       | $\Box$          | _ |
|          | 17       | 1            | 1        |          |          |          |            | 1        |              |          |   |  | 67       |                 | _ |
|          | 18       | 1            | 1        |          |          |          | İΤ         | П        |              |          |   |  | 68       |                 | _ |
|          | 19       | 1            | 1        |          |          |          |            |          |              |          |   |  | 69       |                 | _ |
|          | 20       | 1            | 1        |          |          |          |            |          |              |          |   |  | 70       |                 | _ |
|          | 21       | 1            | √        |          |          |          |            |          |              |          |   |  | 71       |                 |   |
|          | 22       | 1            | 1        |          |          |          |            |          |              |          |   |  | 72       |                 |   |
|          | 23       | 1            | -        |          |          |          |            |          |              |          |   |  | 73       | Ш               |   |
|          | 24<br>25 | 1            | Ŀ        |          |          |          | <u> </u>   | <u> </u> |              |          |   |  | 74<br>75 | Ш               |   |
|          | 25       | V            | Ŀ        |          |          |          |            | <u> </u> |              |          |   |  | 75       | $\sqcup$        |   |
|          | 26       | V            | 1        |          |          | <u> </u> | <u> </u>   | <u> </u> | <u> </u>     |          |   |  | 76       | ш               |   |
| <u> </u> | 27       | V            | 1        | L        |          | L        | <b>!</b> _ | <u> </u> | ļ            | _        |   |  | 77       | $\vdash \vdash$ | _ |
|          | 28       | V            | 1        | <u> </u> | <u> </u> |          | <u> </u>   | <u> </u> | L-           | ļ        |   | <u></u>  | 78       | $\vdash$        | _ |
|          | 29       | 1            | <b>√</b> | _        | _        | _        | <u> </u>   | <u> </u> |              | <u> </u> |   |  | 79       | -               |   |
| <u></u>  | 30       | 1            | 1        |          | _        | _        | ├-         | ┡        | _            | _        | l |  | 80       | $\vdash$        |   |
| <u> </u> | 31       | <b>√</b>     | 1        |          | ⊢        | ┝        | ⊢          |          | ⊢            | <u> </u> | l |  | 81<br>82 | ┝╌┼             | - |
| <u> </u> | 32<br>33 | 1            | 1        | ├        | ⊢        | ├        | ⊢          | ┢        | ┢            | -        |   |  | 83       | ╌┼              | _ |
|          | 34       | 1            | 1        | H        |          | ├        | ⊢          | ├-       | <del> </del> | $\vdash$ |   | <del></del> -                                    | 84       | ╁┼              | _ |
|          | 35       | V            | 1        | $\vdash$ | -        | ┢        | ⊢          | ╁        | $\vdash$     | -        |   | <del>                                     </del> | 85       | $\vdash$        | _ |
|          | 36       | 1            | ┪        | $\vdash$ | $\vdash$ | $\vdash$ | -          | ┢        | ┢            | -        |   |  | 86       | $\vdash$        | - |
| <b>-</b> | 37       | 1            | V        | H        | H        | -        | -          | +-       | ╁┈           | $\vdash$ | 1 | <del>                                     </del> | 87       | $\vdash$        | - |
|          | 38       | 1            | V        | ┢        |          | -        | 1          | T        | t            | $\vdash$ |   |  | 88       | H               | - |
|          | 39       |              |          | T        | Г        | ऻ        |            |          |              | Π        |   |  | 89       |                 | _ |
|          | 40       |              |          |          |          |          |            |          | Π            | Г        | 1 |  | 90       | $\Box$          | _ |
|          | 41       |              |          |          |          |          |            |          |              | L        | ] |  | 91       |                 | _ |
|          | 42       |              |          |          |          |          |            |          |              |          | ] |  | 92       |                 | _ |
|          | 43       | 匚            |          |          |          | L        | $\Box$     | 匚        | 匚            | 匚        | Į |  | 93       | П               | _ |
|          | 44       | ļ            | _        | <u> </u> |          | _        | <u> </u>   |          |              |          |   | <u> </u>   | 94       | Ш               | _ |
|          | 45       | <u> </u>     | <u> </u> | <u> </u> | _        | <u> </u> | <u> </u>   | _        | $oxed{oxed}$ | L        |   |  | 95       | $\sqcup$        | _ |
| <u></u>  | 46       | <u> </u>     | <u> </u> | L        | <u> </u> | <u> </u> | <u> </u>   | 1_       | <u> </u>     | <u> </u> |   | <u> </u>   | 96       | $\sqcup$        | _ |
|          | 47       | <b>├</b>     | $\vdash$ | <u> </u> | <b> </b> | $\vdash$ | ┞          | <u> </u> | <u> </u>     | <u> </u> |   | <u> </u>   | 97       | $\sqcup$        |   |
|          | 48       | <del> </del> |          | <u> </u> | -        | L        | 1          |          | ऻ            | <u> </u> | 1 | <u> </u>   | 98       | $\vdash$        | _ |
| <u> </u> | 49       | ├-           | $\vdash$ | -        | $\vdash$ | <u> </u> | <u> </u>   | $\vdash$ | $\vdash$     | <u> </u> | - |  | 99       | $\vdash \vdash$ | _ |
|          | 50       | 1            | <u> </u> | L_       | <u></u>  | 1        |            | <u>L</u> |              |          | j | L  | 100      | Ш               | _ |

| - 1 |  |                            | _  |                                     |                |                    |  | _                     | _                                       |  |   |
|-----|--|----------------------------|--|-------------------------------------|----------------|--------------------|--|-----------------------|---|--|---|
|     | Final  | Original                   |  |                                     |                |                    |  |                       |   |  |   |
|     |  | 51<br>52                   |  | $\vdash$                            |                |                    |  |                       | .                                       | М  | _                                       |
|     |  | 52                         |  |                                     |                |                    |  |                       |   | -  |   |
|     |  | 53                         |  |                                     |                |                    |  |                       | $\Box$                                  | $\vdash$   |   |
|     |  | 54                         | Н  |                                     |                |                    |  |                       | $\vdash$                                | $\vdash$   |   |
|     |  | 53<br>54<br>55             | М  |                                     |                |                    |  |                       |   | П  |   |
|     |  | 56                         | П  |                                     |                |                    |  |                       |   |  |   |
|     |  | 56<br>57                   | П  |                                     |                |                    |  |                       |   |  |   |
|     |  | 58                         |  |                                     |                |                    |  |                       |   | П  | -                                       |
|     |  | 59                         |  |                                     |                |                    |  |                       |   |  |   |
|     |  | 59<br>60                   |  |                                     |                |                    |  |                       |   |  |   |
|     |  | 61<br>62<br>63             |  |                                     |                |                    |  |                       |   |  |   |
| ,   |  | 62                         |  |                                     |                |                    |  |                       |   |  |   |
|     |  | 63                         |  |                                     |                |                    |  |                       |   |  |   |
|     |  | 64                         |  |                                     |                |                    |  |                       |   |  | 匚                                       |
|     |  | 64<br>65<br>66             |  |                                     |                |                    |  |                       |   |  |   |
|     |  | 66                         |  |                                     |                |                    |  |                       |   |  | Ľ                                       |
|     |  | 67<br>68                   |  |                                     |                |                    |  |                       |   |  | Ĺ                                       |
|     |  | 68                         |  |                                     |                |                    |  |                       |   |  |   |
|     |  | 69                         | 匚  |                                     |                |                    |  |                       |   |  |   |
|     |  | 70                         |  |                                     |                |                    |  |                       |   |  |   |
|     |  | 71                         |  |                                     |                | L                  | L  |                       |   |  |   |
|     |  | 70<br>71<br>72<br>73<br>74 | 匚  |                                     |                | Ĺ                  | Ĺ  |                       |   |  | 匚                                       |
|     |  | 73                         | $\Box$   |                                     |                | $\Box$             | $\Box$   | $\Box$                |   | oxdot  | Ĺ                                       |
|     |  | 74                         | $\Box$   |                                     | 匚              | للا                | لــا   | لـــا                 | لــا                                    | Ш  | Ĺ                                       |
|     |  | 75                         | $\Box$   |                                     | Ĺ              | Ĺ                  |  |                       |   |  | Ĺ                                       |
|     |  | 75<br>76<br>77             |  |                                     |                |                    | $\sqsubseteq$                                    | $ldsymbol{oxdot}$     |   | $\Box$   | Ĺ                                       |
|     |  | 77                         | oxdot  |                                     | <u> </u>       | oxdot              | ـَــا  |                       | Ш                                       | $\Box$   |   |
|     | <u> </u>   | 78<br>79                   | $oxed{\Box}$   |                                     | L_             |                    | $oxedsymbol{oxedsymbol{oxed}}$                   | $oxed{oxed}$          |   | oxdot  | ـــــــــــــــــــــــــــــــــــــــ |
|     |  | 79                         | <u> </u>   |                                     | oxdot          | $oxedsymbol{oxed}$ |  | $\Box$                | oxdot                                   | $oxed{oxed}$                                     | <u> </u>                                |
|     |  | 80                         |  |                                     | لـــا          | $\Box$             | L  |                       | oxdot                                   |  | <u> </u>                                |
|     |  | 81                         | $ldsymbol{ld}}}}}}$ | L                                   |                | L                  | <u> </u>   | igsqcup               | $ldsymbol{oxedsymbol{oxedsymbol{eta}}}$ | oxdot  | _                                       |
|     |  | 82                         |  | _                                   | $\bigsqcup$    | L                  | <u> </u>   | $\bigsqcup_{i=1}^{n}$ | Ľ                                       | $oxedsymbol{oxed}$                               | _                                       |
|     |  | 83                         | Ш  | L                                   | <u> </u>       | <u> </u>           | <u> </u>   | <u> </u>              |   | $\vdash$   | <u> </u>                                |
|     | <u> </u>   | 84<br>85                   | Ш  | L                                   | L_             | <u> </u>           | <u> </u>   | <u> </u>              | <u> </u>                                | $\sqsubseteq$                                    | <u> </u>                                |
|     | <u> </u>   | 85                         | $\bigsqcup$  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u>       | <u> </u>           | <u> </u>   |                       | $ldsymbol{f eta}$                       | $oxed{oxed}$                                     | L                                       |
|     |  | 86<br>87                   | $ldsymbol{ldsymbol{eta}}$  | <u> </u>                            |                | <u> </u>           | <u> </u>   | Щ.                    | ldash                                   | $\vdash$   | <u> </u>                                |
|     | ļ  | 87                         | <u> </u>   | <u> </u>                            | <u> </u>       | <del> </del>       | <u> </u>   | <b> </b>              | $\vdash$                                | <u> </u>   | <u> </u>                                |
|     |  | 88                         | <u> </u>   | <u> </u>                            | <u> </u>       | $\vdash$           | <u> </u>   | <b> </b>              | <u> </u>                                | <u> </u>   | <u> </u>                                |
|     | <u> </u>   | 89                         | <del> </del>   | <u> </u>                            | <del> </del>   | $\vdash$           | <u> </u>   | $\vdash$              | $\vdash$                                | <del> </del>                                     | <u> </u>                                |
|     | <u> </u>   | 90                         | <u> </u>   | <u> </u>                            | $\vdash$       | -                  | <u> </u>   | <u> </u>              | <u> </u>                                | $\vdash$   | -                                       |
|     | <u> </u>   | 91                         | <del> </del>   | <u> </u>                            | $\vdash$       |                    | $\vdash$   | ├                     | <u> </u>                                | <b>-</b>   | $\vdash$                                |
|     | <del> </del>                                     | 92                         | $\vdash$   | <u> </u>                            | $\vdash$       | ₩                  | <del>                                     </del> | <del> </del>          | <del> </del>                            | H  | $\vdash$                                |
|     | <u> </u>   | 93                         | H  | <del> </del>                        | -              | -                  | -  | -                     | $\vdash$                                | $\vdash$   | $\vdash$                                |
|     | <del> </del>                                     | 94                         | $\vdash$   | -                                   | <del>  -</del> | $\vdash$           | -  | -                     | $\vdash$                                | $\vdash$   | $\vdash$                                |
|     |  | 95                         | -  | $\vdash$                            | $\vdash$       | $\vdash$           | $\vdash$   | $\vdash$              | -                                       | -  | $\vdash$                                |
|     | <b></b> -  | 96                         | $\vdash$   | -                                   | -              | -                  | $\vdash$   | $\vdash$              | $\vdash$                                | $\vdash$   | -                                       |
|     | <del>                                     </del> | 97                         | $\vdash$   | -                                   | -              | $\vdash$           | $\vdash$   | <del> </del>          | $\vdash$                                | $\vdash$   | -                                       |
|     | -  | 98<br>99                   | $\vdash$   | -                                   | $\vdash$       |                    | $\vdash$   | $\vdash$              | $\vdash$                                | $\vdash$   | $\vdash$                                |
|     | <u> </u>   | 100                        | $\vdash$   | -                                   | $\vdash$       | -                  | $\vdash$   | $\vdash$              | -                                       | <del>                                     </del> | $\vdash$                                |
|     |  | 100                        |  |                                     | L              | L                  |  |                       | 1                                       | 1  |   |

| Cla   |                   |            |  |          | Date     |          |          |          |          |                 |
|-------|-------------------|------------|--|----------|----------|----------|----------|----------|----------|-----------------|
|       |                   |            |  |          |          |          |          |          |          |                 |
| Final | Original          |            |  |          |          |          |          |          |          |                 |
|       | 101               |            |  |          |          |          |          |          |          |                 |
|       | 102               |            |  |          |          |          |          |          |          | $\Box$          |
|       | 103               |            |  |          |          |          | Щ        |          |          | Ш               |
|       | 104<br>105        |            |  |          |          |          |          |          |          | Ш               |
|       | 105               |            |  |          |          |          |          |          | _        | Ш               |
|       | 106               |            |  |          |          |          |          |          |          | Ш               |
|       | 107<br>108        |            | -  |          |          |          |          |          |          |                 |
|       | 108               | -          |  |          |          |          |          |          |          | -               |
|       | 110               |            | -  |          |          |          | -        |          |          | Н               |
|       | 110<br>111        | _          | -  |          |          |          | H        |          | -        | $\vdash \vdash$ |
|       | 112               | _          | $\dashv$   |          |          | Н        |          |          |          | Н               |
|       | 113               |            |  |          |          |          |          |          |          | М               |
|       | 113<br>114<br>115 |            |  |          |          |          |          |          |          |                 |
|       | 115               |            |  |          |          |          |          |          |          |                 |
|       | 116               |            |  |          |          |          |          |          |          |                 |
|       | 117               |            |  |          |          |          |          |          |          | Ш               |
|       | 118<br>119        |            | $\Box$   |          |          |          | Щ        |          |          | Ш               |
|       | 119               |            | ļ  |          |          |          |          |          |          | Щ               |
|       | 120               |            |  |          | _        | L        | <u> </u> | _        | ļ        | Щ               |
|       | 121<br>122<br>123 | _          | _  |          | <u> </u> |          | <u> </u> |          | ļ        | $\vdash \vdash$ |
|       | 122               | _          | _  | $\vdash$ |          | ļ        |          |          | Ļ        | $\vdash \vdash$ |
|       | 123               | $\vdash$   |  | -        | <u> </u> | -        |          |          | <u> </u> | $\vdash \vdash$ |
|       | 124<br>125        | _          |  |          |          |          |          |          | -        | $\vdash \vdash$ |
|       | 125               |            |  |          |          | -        | _        |          | ┢        | $\vdash \vdash$ |
|       | 127               |            |  |          | -        | ┢─       |          |          | <u> </u> | Н               |
|       | 126<br>127<br>128 |            | Н  |          | ┢        | $\vdash$ |          |          |          | Н               |
|       | 129               |            | Н  |          |          | _        |          |          |          | П               |
|       | 129<br>130        | -          | Г  |          |          | Г        | П        | Г        |          | П               |
|       | 131               |            | Γ  |          |          |          |          |          |          |                 |
|       | 132<br>133        |            |  |          |          |          |          |          |          |                 |
|       | 133               |            |  |          |          | 匚        |          |          |          | Ш               |
|       | 134               |            | $\Box$   | L.       | _        | L        |          |          |          | Ш               |
|       | 135               | _          |  | L        |          | <u> </u> |          |          | <u> </u> | Ш               |
|       | 136               | <u> </u>   | $ldsymbol{f eta}$                                | <u> </u> | <u> </u> | <u> </u> | <u> </u> | _        | <u> </u> | Щ               |
|       | 137<br>138        | $\vdash$   | $\vdash$   | <u> </u> | <u> </u> | $\vdash$ |          |          | L        | Н               |
|       | 138               | <u> </u>   | <u> </u>   | <u> </u> | $\vdash$ | ├-       |          | <u> </u> | <u> </u> | $\vdash \vdash$ |
|       | 139<br>140        | $\vdash$   | <del> </del>                                     |          | $\vdash$ | ┢        |          | $\vdash$ | -        | Н               |
|       | 141               | ├          | -  | $\vdash$ | -        | $\vdash$ | -        | $\vdash$ |          | Н               |
|       | 142               | -          | <del>                                     </del> | -        | -        | ├        |          | 1        |          | H               |
|       | 143               | -          | $\vdash$   | <u> </u> |          | $\vdash$ |          |          | $\vdash$ | Н               |
|       | 144               | <b>!</b> " | T  | <u> </u> | T        | $\vdash$ | <u> </u> | Г        | Г        | Н               |
| -     | 145               | <u> </u>   | 1  |          |          |          |          | T        |          | П               |
|       | 146               |            | <u> </u>   | Ī        | Г        | Π        |          | Г        | T        | П               |
|       | 147               | Г          |  |          |          |          |          |          |          |                 |
|       | 148               |            |  |          |          |          |          |          |          |                 |
|       | 149               |            |  |          |          |          |          |          |          |                 |
|       | 150               |            |  |          |          |          |          |          |          |                 |